Replacing the System Board

About Warnings

 WARNING: A WARNING indicates a potential for property damage, personal injury, or death.

Setting the AMT Manageability Mode

 NOTE: For Dell™ Latitude™ E5400 and E5500 computers, and for Dell Precision™ M6400 Mobile Workstations, skip this section and see "Programming the Service Tag" on page 3.

 WARNING: Before you begin any of the procedures in this section, read the safety information that shipped with your computer. For additional safety best practices, see the Regulatory Compliance Homepage at www.dell.com/regulatory_compliance.

 WARNING: If you need to remove the bottom access panel, first disconnect the AC adapter and modem cables from all electrical outlets.

 CAUTION: Follow the instructions carefully to ensure that you configure the computer for the correct management mode.

1 Remove the bottom access panel (see your *Service Manual*).
2 Take note of the label that is attached to the inside of the bottom access panel.

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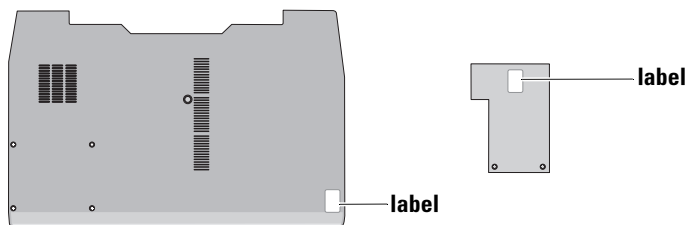
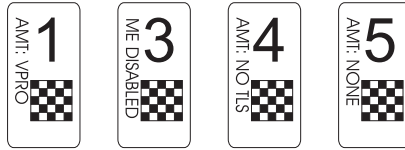

You should see one of the following four configuration-mode labels on the inside of the chassis:

 NOTE: If the original configuration-mode label is missing, damaged, or otherwise illegible, contact Dell to obtain your configuration-mode number (see your computer documentation for contact information).

3. Replace the bottom access panel.

   NOTE: For information on replacing the system board, see "Replacing the System Board" in your *Service Manual*.

4. Disconnect the network cable, if applicable, and the mass storage devices like hard drives or USB flash keys.
5. Connect the AC adapter and turn on the computer.

   An initialization screen is displayed. The green text on the initialization screen prompts you to select the appropriate configuration for your computer.

CAUTION: Ensure that you use the correct configuration-mode number. Once you have selected a configuration, you cannot change the management mode as this process is not reversible. If you make the wrong selection, your computer may not operate as it should.

6. Enter the configuration-mode number that you obtained from the label inside the bottom access panel.
7. If this is the correct configuration-mode number, select `Y` at the prompt.

   Once the initialization is complete, the computer shuts down.

8. Reconnect the network cable and the mass storage devices like hard drives or USB flash keys.
9. Restart the computer.

Programming the Service Tag

After replacing the system board for Latitude E5400, E5500, and Dell Precision M6400 Mobile Workstations, you need to program the service tag if the following message is displayed on startup:

```
WARNING: The Service Tag has not been programmed.
This system will not function properly without a
Service Tag.

The setup utility will launch the Service Tag
installer.
```

NOTE: Latitude and Dell Precision E-Series Workstation computers configured with iAMT® receive this message only after the iAMT initialization procedures are completed.

NOTE: The battery light on the computer flashes blue and amber during this error.

To program the Service Tag:

1. Press <F2> to enter the system setup program.
2. Enter the correct Service Tag.
3. Perform one of the following steps:
   - *If the AC Adapter is already connected*, exit the system setup program and reboot the computer.
   - *If the AC Adapter is not connected*, turn the computer off, connect the AC adapter, and then turn the computer back on.

FIPS 201 Compliance

NOTE: Federal Information Processing Standards (FIPS) 201 compliance affects Latitude E4300, E6400, E6500, M2400, M4400 and M6400.

CAUTION: Perform the steps in "FIPS 201 Compliance" on page 4 only if you have an FED account in the Americas region and require a FIPS compliant system. These steps disable the contactless smart card reader.

1 Download the latest utilities from the Dell Support website at **support.dell.com**.
   - For 32-bit Microsoft® Windows Vista® or Windows XP® operating systems, download the **CVFIPS201_Enable.exe** utility.
   - For 64-bit Windows Vista or Windows XP operating systems, download the **CVFIPS201_Enable64.exe** utility.

2 Run the utility and select **FIPS Compliant**.

   The system is now FIPS 201 compliant.